

Attorney Docket No. SUN04-0990

FORM PTO-1595

REC

08-12-2004

ET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

1-31-92 102812871 To the Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): Name of conveying party(ies): 1. Oleg A. Pliss, Bernd J. Mathiske, Ioi K. Lam, Vijay G. Nagarajan Name: Sun Microsystems, Inc. Street Address: 4150 Network Circle City: State: Zip: Santa Clara, CA 95054 Additional name(s) of conveying party(ies) attached? [] Yes [X] No Additional name(s) & address(es) attached? 3. Nature of conveyance: [] Yes [X] No [] Merger [X] Assignment [] Change of Name Security Agreement [] Other June 15, 2004 Execution Date: Application number(s) or patent number(s): 4. If this document is being filed together with a new application, the execution date of the application is: June 15, 2004 B. Patent No.(s): A. Patent Application No.(s): 10/866,046 Additional numbers attached? [] Yes [] No Name and address of party to whom correspondence concerning Total number of applications and patents 5. document should be mailed: involved: [1] Total fee (37 CFR 3.41)\$40.00 7. Name: A. Richard Park [X] Enclosed Park, Vaughan & Fleming LLP [] Authorized to be charged to deposit account 508 Second Street, Suite 201 Davis, CA 95616 8. Deposit account number: Attorney Docket No.: SUN04-0990 DO NOT USE THIS SPACE Statement and signature. 9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. August 6, 2004 A. Richard Park Date Name of Person Signing Total number of pages including cover sheet, attachments and document: [9]

#corporate	power	ot	attorney

08/10/2004 MAHMED1 00000073 10866046

02 FC:8021

1

WHEREAS, the undersigned,

Oleg A. Pliss Bernd J. Mathiske Ioi K. Lam Vijay G. Nagarajan 2200 Agnew Rd. #304, Santa Clara, CA 95054 10181 Bilich Place, Cupertino, CA 95014 118 Montelena Court, Mountain View, Ca 94040 15265 Winchester Blvd., Apt. 1E, Los Gatos, CA 95030

hereinafter termed "Inventor(s)", have invented certain new and useful improvements in

METHOD AND APPARATUS FOR KEEPING TRACK OF MEMORY USAGE FOR TASKS IN A SHARED HEAP

and hav	e executed a declaration or oath for an application for a United States patent disclosing and identifying the on:
	On the <u>15th</u> day of <u>June</u> , <u>2004</u> ;
	Or
<u>X</u>	Said application having Application Number 10/866,046 and filed on June 10, 2004; and
and inte	WHEREAS, <u>Sun Microsystems</u> , <u>Inc.</u> a corporation of the State of <u>Delaware</u> , having a place of business at <u>4150</u> <u>k Circle</u> , <u>Santa Clara</u> , <u>CA 95054</u> , (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title erest in and to said application and the invention disclosed therein, and in and to all embodiments of the on, heretofore conceived, made or discovered jointly or severally by said Inventor(s) (all collectively hereinafter "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection after termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

- 1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.
- 2. Said Inventor(s) hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including

Attorney Docket No. SUN04-0990

without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.
- 4. Said Inventor(s) hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below.

Oder	06/09/2004		
Oleg A. Pliss	Date		
Bernd J. Mathiske	Date		
Ioi K. Lam	Date		
Vijay G. Nagarajan	Date		
	Date		

WHEREAS, the undersigned,

Oleg A. Pliss Bernd J. Mathiske Ioi K. Lam Vijay G. Nagarajan 2200 Agnew Rd. #304, Santa Clara, CA 95054 10181 Bilich Place, Cupertino, CA 95014 118 Montelena Court, Mountain View, Ca 94040 15265 Winchester Blvd., Apt. 1E, Los Gatos, CA 95030

hereinafter termed "Inventor(s)", have invented certain new and useful improvements in

METHOD AND APPARATUS FOR KEEPING TRACK OF MEMORY USAGE FOR TASKS IN A SHARED HEAP

and hav	e executed a declaration or oath for an application for a United States patent disclosing and identifying the on:
	On the <u>15th</u> day of <u>June</u> , <u>2004</u> ;
	Or
<u>X</u>	Said application having Application Number 10/866,046 and filed on June 10, 2004; and
and into invention termed	WHEREAS, <u>Sun Microsystems</u> , <u>Inc.</u> a corporation of the State of <u>Delaware</u> , having a place of business at <u>4150</u> ck <u>Circle</u> , <u>Santa Clara</u> , <u>CA 95054</u> , (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title erest in and to said application and the invention disclosed therein, and in and to all embodiments of the on, heretofore conceived, made or discovered jointly or severally by said Inventor(s) (all collectively hereinafter "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection after termed "patents") thereon granted in the United States and foreign countries.
have be	NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to the received in full from said Assignee:
invention any and	Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said on pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to dall applications filed and any and all patents granted on said invention in the United States or any foreign (including each and every application filed and each and every patent granted on any application which is a

2. Said Inventor(s) hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including

divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and

every reissue or extensions of any of said patents.

without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee

- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.
- 4. Said Inventor(s) hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below.

Oleg A. Pliss	Date 05/09/04	
Bernd J. Mathiske	Date	
Ioi K. Lam	Date	
Vijay G. Nagarajan	Date	,
	Date	1

2

Σ.٩

WHEREAS, the undersigned,

Oleg A. Pliss Bernd J. Mathiske Ioi K. Lam Vijay G. Nagarajan

invention:

every reissue or extensions of any of said patents.

2200 Agnew Rd. #304, Santa Clara, CA 95054
10181 Bilich Place, Cupertino, CA 95014
118 Montelena Court, Mountain View, Ca 94040
15265 Winchester Blvd., Apt. 1E, Los Gatos, CA 95030

hereinafter termed "Inventor(s)", have invented certain new and useful improvements in

METHOD AND APPARATUS FOR KEEPING TRACK OF MEMORY USAGE FOR TASKS IN A SHARED HEAP

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the

	On the <u>15th</u> day of <u>June</u> , <u>2004</u> ;
	Or
<u>X</u>	Said application having Application Number 10/866,046 and filed on June 10, 2004; and
and int inventitermed	WHEREAS, <u>Sun Microsystems</u> , <u>Inc.</u> a corporation of the State of <u>Delaware</u> , having a place of business at <u>4150 rk Circle</u> , <u>Santa Clara</u> , <u>CA 95054</u> , (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title erest in and to said application and the invention disclosed therein, and in and to all embodiments of the on, heretofore conceived, made or discovered jointly or severally by said Inventor(s) (all collectively hereinafter "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection after termed "patents") thereon granted in the United States and foreign countries.
have be	NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to een received in full from said Assignee:
inventi	1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and t (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said on pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to d all applications filed and any and all patents granted on said invention in the United States or any foreign

2. Said Inventor(s) hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including

country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and

UN-15-2004 13:41 FROM: FULL MONTY

TO:5307591665

without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

- The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, 3. assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.
- Said Inventor(s) hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below. Date Oleg A. Pliss Bernd J. Mathiske Date 6.15.2004 Ioi K. Lam Date Vijay G. Nagarajan Date

2

Date

WHEREAS, the undersigned,

Oleg A. Pliss Bernd J. Mathiske Ioi K. Lam Vijay G. Nagarajan

invention:

2200 Agnew Rd. #304, Santa Clara, CA 95054 10181 Bilich Place, Cupertino, CA 95014 118 Montelena Court, Mountain View, Ca 94040 15265 Winchester Blvd., Apt. 1E, Los Gatos, CA 95030

hereinafter termed "Inventor(s)", have invented certain new and useful improvements in

(hereinafter termed "patents") thereon granted in the United States and foreign countries.

METHOD AND APPARATUS FOR KEEPING TRACK OF MEMORY USAGE FOR TASKS IN A SHARED HEAP

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the

111 / 011111	•••
	On the <u>15th</u> day of <u>June</u> , <u>2004;</u>
	Or
<u>X</u>	Said application having Application Number 10/866,046 and filed on June 10, 2004; and
	WHEREAS, Sun Microsystems, Inc. a corporation of the State of Delaware, having a place of business at 4150
Networ	rk Circle, Santa Clara, CA 95054, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title
and inte	erest in and to said application and the invention disclosed therein, and in and to all embodiments of the
inventi	on, heretofore conceived, made or discovered jointly or severally by said Inventor(s) (all collectively hereinafter
	"said invention"), and in and to any and all patents, inventor's certificates and other forms of protection

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

- 1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.
- 2. Said Inventor(s) hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including

1

Attorney Docket No. SUN04-0990

without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

- The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.
- Said Inventor(s) hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below.

Oleg A. Pliss	Date
:	
Bernd J. Mathiske	Date
Ioi K. Lam	Date
Lyang	JUNE 15, 2004
Vijay G. Nagarajan	Date

2

Date